

Attachment 3

SECTION 3

General Facility Description
284 New Canaan Avenue (Route 123)
Norwalk, Connecticut
Owner: State of Connecticut
11.50 Acre Parcel

The property located at 284 New Canaan Avenue (Route 123) is occupied by the Connecticut National Guard Norwalk Armory (“Norwalk Armory”) in an otherwise residentially developed area of Norwalk and New Canaan. The proposed AT&T telecommunications facility would be located in a central portion of the 11.5 acre parcel which is owned by the State of Connecticut. The proposed facility consists of a 50’ x 80’ fenced compound within a 50’ by 80’ lease area with access from State Route 123.

AT&T has proposed a new self-supporting stealth monopole 140’ above grade level (“AGL”). AT&T would install up to nine (9) panel antennas and related equipment, three each at the 137’ and 127’ and 117’ AGL. The tower would be designed for future shared use of the structure by another carrier at 107’ AGL. To address further tower sharing opportunities, AT&T, in conjunction with State and Norwalk Armory officials, also designed the site for an additional tower structure on the host parcel for use by other carriers should additional space be needed in the future.

An associated 11’-5” x 20’ equipment shelter would be installed at the tower base on a concrete pad within the tower compound together with provisions for a back-up power generator. The tower compound would accommodate AT&T’s equipment and provide for future shared use by other carriers. The tower compound would be enclosed by an eight (8) foot high chain link fence. Vehicle access to the facility would extend from New Canaan Avenue over the existing driveway and parking lot to the tower compound. Utility connections would be run underground from an existing distribution pole on site.

Site Evaluation Report

I. LOCATION

- A. COORDINATES: 41° 08' 9.74" N 73° 27' 22.68" W
- B. GROUND ELEVATION: 197' AMSL
- C. SITE ADDRESS: 284 New Canaan Avenue, Norwalk, Connecticut
- D. ZONING WITHIN 1/4 MILE OF SITE: Residential

II. DESCRIPTION

- A. SITE SIZE: 50' x 80' compound
- B. LESSOR'S PARCEL: 11.5 Acres
- C. TOWER TYPE/HEIGHT: Stealth Monopole/140' AGL
- D. SITE TOPOGRAPHY AND SURFACE: The property is largely level with minimal elevation changes. The proposed facility will be located in the center rear portion of the property, adjacent to an existing parking lot on the site.
- E. SURROUNDING TERRAIN, VEGETATION, WETLANDS, OR WATER: Existing trees and vegetation buffer the location of the proposed site from abutting property owners. A delineated wetland was identified on the proposed site approximately 52' from the western boundary of the proposed compound. No activity is proposed directly within a delineated wetland and the activities proposed are in already disturbed areas of the site.
- F. LAND USE WITHIN 1/4 MILE OF SITE: General land uses include a commuter parking lot, single family residential development, and a religious institution. The proposed site abuts the Merritt Parkway (nearest exit 38) and Route 123 (New Canaan Avenue) transportation corridors.

III. FACILITIES

- A. POWER COMPANY: Connecticut Light and Power
- B. POWER PROXIMITY TO SITE: Existing distribution pole on site.
- C. TELEPHONE COMPANY: AT&T
- D. PHONE SERVICE PROXIMITY: Telephone facilities/service will extend from the existing distribution pole on site.

- E. VEHICLE ACCESS TO SITE: Access to the facility would be provided by an existing access drive and parking lot.
- F. OBSTRUCTIONS: None
- G. CLEARING AND FILL REQUIRED: The facility would require some modest grading of the compound area. No trees greater than 6" DBH will be removed from the site. Detailed plans would be included in a Development and Management Plan ("D&M" plan) after any approval of the facility which may be issued by the Connecticut Siting Council.

IV. LEGAL

- A. PURCHASE [] LEASE [X]
- B. OWNER: State of Connecticut
- C. ADDRESS: 284 New Canaan Avenue, Connecticut

Facilities and Equipment Specification

I. TOWER SPECIFICATIONS:

- A. MANUFACTURER: To be determined
- B. TYPE: Self-supporting stealth monopole
- C. HEIGHT: 140' AGL
DIMENSIONS: Approximately 52" in diameter at the base, tapering to approximately 36" at the top.
COLOR: Brown
- D. TOWER LIGHTING: No lighting is proposed. Please see FAA TOWAIR Report attached.

II. TOWER LOADING:

- A. AT&T – up to 9 panel antennas
 - a. Model – Powerwave P90-15-XLH-RR or equivalent panel antenna
 - b. Antenna Dimensions – approximately 72"H x 12"W x 6"D
 - c. Position on Tower – 137', 127' and 117' centerline AGL
 - d. Transmission Lines – MFG/Model: Commscope Aluminum; Size 1-5/8"
- B. Future Carriers – To be determined

III. ENGINEERING ANALYSIS AND CERTIFICATION:

The tower will be designed in accordance with American National Standards Institute TIA/EIA-222-G "Structural Standards for Steel Antenna Towers and Antenna Support Structures" and the 2003 International Building Code with 2005 Connecticut Amendment. The foundation design would be based on soil conditions at the site. The details of the tower and foundation design will be provided as part of the final D&M plan.



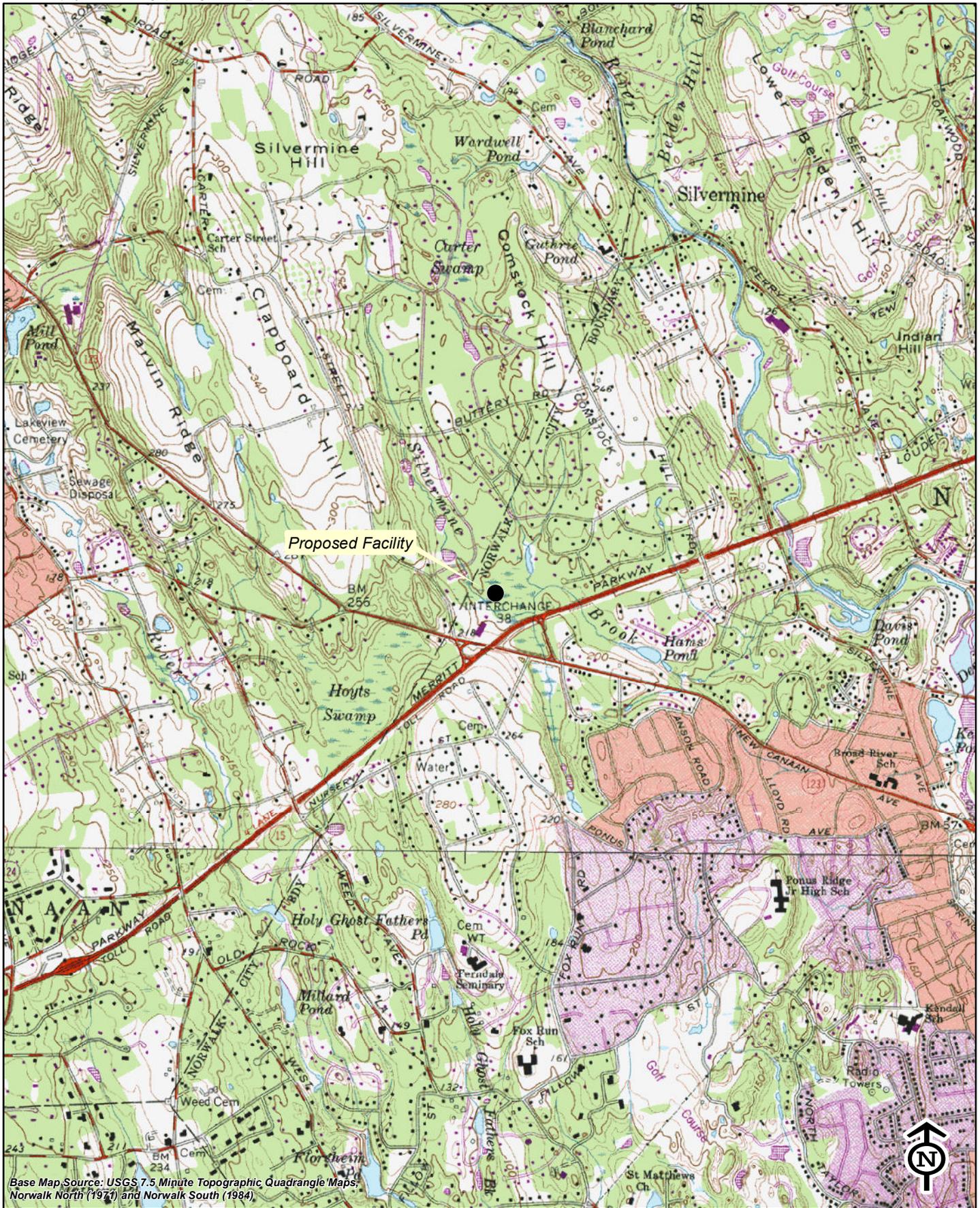
Base Map Source: 2008 Color Aerial Photograph with 1 foot Resolution

Vanasse Hangen Brustlin, Inc.

**Aerial Photograph
Proposed AT&T Wireless
Telecommunications Facility
National Guard Armory
284 New Canaan Road
Norwalk, Connecticut**



Quadrangle Location



Quadrangle Location



Vanasse Hangen Brustlin, Inc.

USGS Topographic Map
 Proposed AT&T Wireless
 Telecommunications Facility
 National Guard Army
 284 New Canaan Road
 Norwalk, Connecticut



CONNECTICUT SITING COUNCIL

NEW CINGULAR WIRELESS PCS, LLC WIRELESS COMMUNICATIONS FACILITY

NATIONAL GUARD ARMORY

284 NEW CANAAN AVENUE
NORWALK, CONNECTICUT 06850
SR1038

SITE INFORMATION:

THE SCOPE OF WORK SHALL INCLUDE:

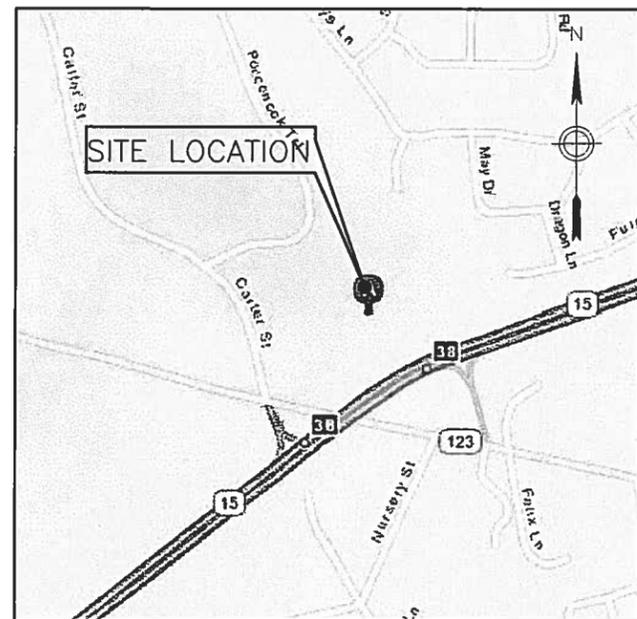
1. THE CONSTRUCTION OF A 50'x80' FENCED WIRELESS COMMUNICATIONS COMPOUND WITHIN A 50'x80' LEASE AREA.
2. SITE GRADING SHALL BE CONDUCTED, AS REQUIRED, WITHIN LEASE AREA AND ACCESS DRIVE FOR PROPER DRAINAGE.
3. A TOTAL OF SIX (6) DIRECTIONAL PANEL ANTENNAS ARE PROPOSED TO BE MOUNTED AT A RAD CENTER ELEVATION OF 137'± & 127'± A.G.L. INSIDE A 140' A.G.L. PROPOSED FLAGPOLE LOCATED WITHIN THE PROPOSED COMPOUND.
4. POWER AND TELCO UTILITIES SHALL BE ROUTED OVERHEAD ON PROPOSED UTILITY POLES ALONG EXISTING DRIVEWAY AND THEN ROUTED UNDERGROUND ALONG THE END OF THE REAR PARKING AREA TO THE PROPOSED TRANSFORMER, TELEPHONE CABINET, AND METER BOARD LOCATED OUTSIDE THE PROPOSED COMPOUND. UTILITIES SHALL BE ROUTED UNDERGROUND FROM THE PROPOSED UTILITY BACKBOARDS TO THE PROPOSED TYPE-I 11'-6"x20'-0" EQUIPMENT SHELTER LOCATED WITHIN THE COMPOUND. FINAL UTILITY ROUTING WILL BE VERIFIED BY LOCAL UTILITY COMPANIES.
5. FINAL DESIGN FOR TOWER, TOWER FOUNDATION, AND ANTENNA MOUNTS SHALL BE DONE BY THE TOWER MANUFACTURER.
6. THE PROPOSED WIRELESS FACILITY INSTALLATION SHALL BE DESIGNED IN ACCORDANCE WITH THE CURRENT CONNECTICUT STATE BUILDING CODE.
7. THERE WILL NOT BE ANY LIGHTING UNLESS REQUIRED BY THE FCC OR THE FAA.
8. THERE WILL NOT BE ANY SIGNS OR ADVERTISING ON THE ANTENNAS OR EQUIPMENT.

NOTE:

THIS DOCUMENT WAS DEVELOPED TO REFLECT A SPECIFIC SITE AND ITS SITE CONDITIONS AND IS NOT TO BE USED FOR ANOTHER SITE OR WHEN OTHER CONDITIONS PERTAIN. REUSE OF THIS DOCUMENT IS AT THE SOLE RISK OF THE USER.

DIRECTIONS:

FROM ROCKY HILL, TAKE 1-91 SOUTH TOWARD NEW HAVEN. AT EXIT 17 MERGE ONTO CT-15S. TAKE EXIT 38 TOWARDS CT-123/NEW CANAAN AVE. SITE WILL BE ON THE LEFT.



LOCATION MAP
SCALE: N.T.S.

NORWALK

PROJECT SUMMARY

SITE NAME: NATIONAL GUARD ARMORY - NORWALK

APPLICANT / LESSEE: NEW CINGULAR WIRELESS PCS, LLC (AT&T)
500 ENTERPRISE DRIVE
3RD FLOOR
ROCKY HILL, CT 06067

PROPERTY OWNER: STATE OF CONNECTICUT
80 WASHINGTON ST.
HARTFORD, CT 06106

CONTACT: DAVID VIVIAN
(413) 218-5042

ARMORY CONTACT: KEVIN CWANEK
(860) 913-5473

COORDINATES: LATITUDE: 41° 08' 9.74" N (NAD 83)
LONGITUDE: 73° 27' 22.68" W (NAD 83)
COORDINATES TAKEN FROM HANDHELD GPS

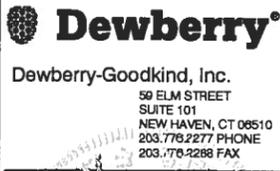
PROJECT DESCRIPTION:

THE PROJECT CONSISTS OF THE INSTALLATION AND OPERATION OF 3 SECTORS OF 2 PANEL ANTENNAS PER SECTOR WHICH SHALL BE MOUNTED INSIDE A PROPOSED 140-FT TALL FLAGPOLE, AND THE INSTALLATION OF A TYPE-I 11'-6"x20'-0" EQUIPMENT SHELTER. THIS SYSTEM WILL BOTH TRANSMIT AND RECEIVE RADIO SIGNALS.

THE PROPOSED USE DOES NOT REQUIRE FULL-TIME OR PART-TIME EMPLOYEES AT THE SITE. IT WILL BE TYPICALLY VISITED ONCE OR TWICE PER MONTH FOR MAINTENANCE. THE FACILITY IS NOT EXPECTED TO GENERATE ADDITIONAL NOISE, FUMES OR VIBRATIONS. NO WATER OR SEWER SERVICES ARE NEEDED.

DRAWING INDEX	
DRAWING	TITLE
T-1	TITLE SHEET
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S-2	SITE AREA PLAN
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S-4	DETAILED SITE PLAN
S-4a	ELEVATIONS
S-5	CONSTRUCTION DETAILS
S-6	FENCE NOTES & DETAILS & SITE DETAILS
S-7	EQUIPMENT SHELTER PLAN & ELEVATIONS

NOT FOR CONSTRUCTION



No.	DATE	By	Description
F	08/05/13	JWS	REV. PER COMMENT
E	07/20/11	JNV	REV. PER COMMENT
D	07/05/11	JNV	REV. PER COMMENT
C	10/08/10	BAD	REV. PER COMMENT
B	09/21/10	BAD	REV. PER COMMENT
A	09/17/10	BAD	PRELIM. CSC

REVISIONS

NATIONAL GUARD ARMORY

284 NEW CANAAN AVENUE
NORWALK, CT 06850
SR1038

SITE NAME / ADDRESS

DRAWN BY: BAD
APPROVED BY: JV
CHECKED BY: BAD
DATE: 09/17/10

SHEET TITLE:

TITLE SHEET

DEWBERRY P.N. 50013469

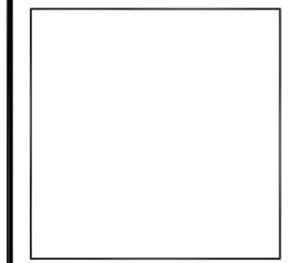
T-1

SHEET NO.

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Dewberry-Goodkind, Inc.
59 ELM STREET
SUITE 101
NEW HAVEN, CT 06510
203.776.2277 PHONE
203.776.2288 FAX



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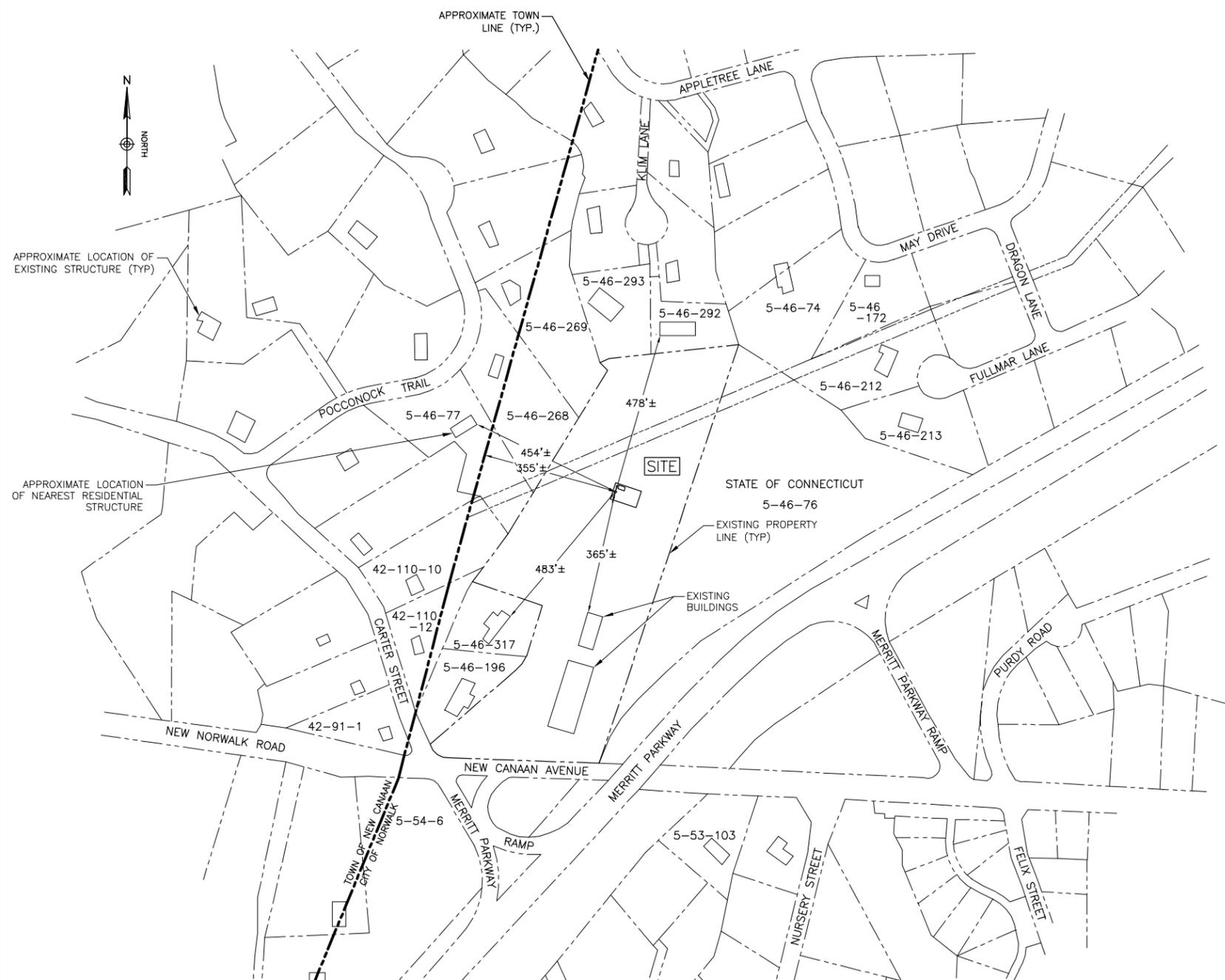
PERIMETER PLAN

DEWBERRY P.N. 50013469

S-1

SHEET NO.

ABUTTERS (NEW CANAAN)		
TAX MAP ID	NAME	MAILING ADDRESS
42-91-1	DAVID & SYLVIA SYLVESTER	845 CARTER ST, NEW CANAAN CT 06840
42-110-12	JACQUELINE R. BRADLEY	830 CARTER ST, NEW CANAAN CT 06840
42-110-10	DAVID D. BUCCIARELLI	824 CARTER ST, NEW CANAAN CT 06840
ABUTTERS (NORWALK)		
5-53-103	SALVATORE & ROSE MATTERA	275 NEW CANAAN AVE, NORWALK CT 06850
5-54-6	ANDREW J. & JOSEPHINA BELL	985 NEW NORWALK RD, NEW CANAAN CT 06840
5-46-196	MATTHIAS A. & JOANNE M. HICKEY	46 CARTER ST, NORWALK CT 06850
5-46-317	LISA A. MANCHUCK	48 CARTER ST, NEW CANAAN CT 06840
5-46-77	PETER B. JR & KAREN P. WILSON	178 POCCONOCK TR, NEW CANAAN CT 06840
5-46-268	NICOLAS J. & MARGARET CAMPBELL	166 POCCONOCK TR, NEW CANAAN CT 06840
5-46-269	BERNARD V. JR & JANE M. PREZIOSI	156 POCCONOCK TR, NEW CANAAN CT 06840
5-46-293	ROBERT A. & TAMMY L. MCKINNON	3 KLIM LN, NORWALK CT 06850
5-46-292	LUIS ALFREDO & REYNA VALLEJO	4 KLIM LN, NORWALK CT 06850
5-46-74	FRANK A. SERENA	11 MAY DR, NORWALK CT 06850
5-46-172	RICHARD S. & KELLY DARLING	9 MAY DR, NORWALK CT 06850
5-46-212	MARK LINDER & ANN J. CHANG-LINDER	18 FULLMAR LN, NORWALK CT 06850
5-46-213	GERIN E. SANTIAGO	21 FULLMAR LN, NORWALK CT 06850
5-46-76	STATE OF CONNECTICUT	80 WASHINGTON ST, HARTFORD, CT 06106-4417



PERIMETER PLAN

1



1"=400' (FOR 11x17 PLOTS)
1"=200' (FOR 22x34 PLOTS)

- NOTE:**
1. PLAN & ABUTTER INFORMATION WAS COMPILED FROM INFORMATION OBTAINED FROM THE TOWN OF NEW CANAAN & CITY OF NORWALK ASSESSOR'S OFFICES AND AERIAL PHOTOGRAPHY.



500 ENTERPRISE DRIVE
3RD FLOOR
ROCKY HILL, CT 06067



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59 ELM STREET
SUITE 101
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8-12-13

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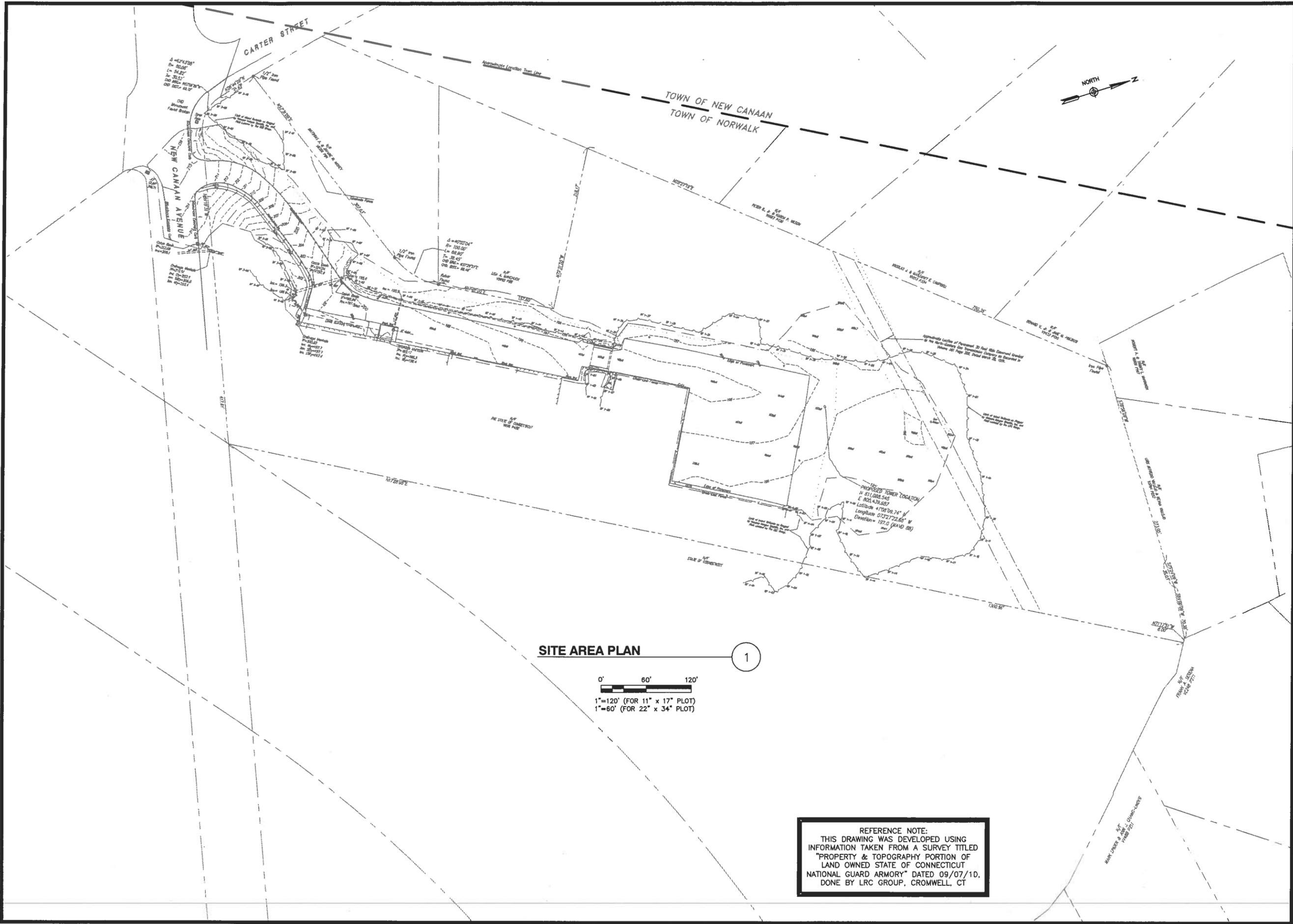
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SITE AREA PLAN

DEWBERRY P.N. 50013469

S-2

SHEET NO.



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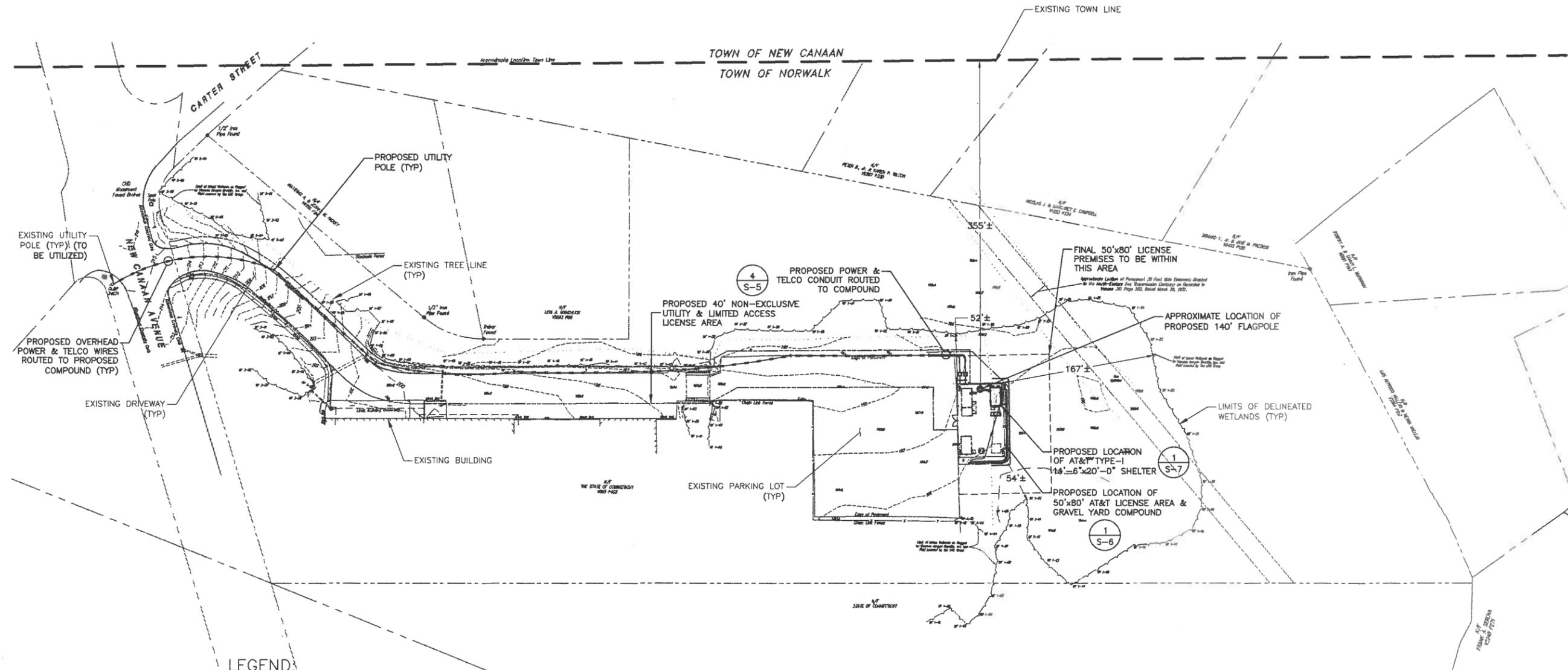
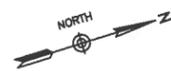
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OVERALL SITE PLAN

DEWBERRY P.N. 50013469

S-3

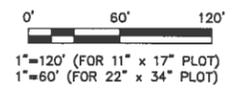
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LEGEND

- | | | | |
|-------|----------------------------------|--------|----------------------------------|
| -198- | EXISTING ELEVATION CONTOUR | N.T.S. | NOT TO SCALE |
| -198- | PROPOSED ELEVATION CONTOUR | g | PROPOSED UTILITY POLE |
| *** | EXISTING CHAIN LINK FENCE | o | EXISTING UTILITY POLE |
| 198x | EXISTING SPOT ELEVATION | o-o-o | PROPOSED STRAW BALES |
| 198 x | PROPOSED SPOT ELEVATION | --- | EXISTING PROPERTY LINE |
| --- | PROPOSED UTILITY/ACCESS EASEMENT | --- | ADJOINING EXISTING PROPERTY LINE |
| —O— | PROPOSED OVERHEAD WIRES | --- | PROPOSED SILT FENCE |
| o | EXISTING TREE | —T— | PROPOSED TELCO |
| ~~~~~ | EXISTING TREE LINE | —E— | PROPOSED ELECTRICAL |
| ~~~~~ | PROPOSED TREE LINE | | |

OVERALL SITE PLAN 1



- NOTES:**
- TOWER, FOUNDATION & STRUCTURAL ANTENNA MOUNT DESIGN BY OTHERS.
 - THE STATE SHALL GRANT EASEMENTS FOR UTILITIES AS NEEDED.

REFERENCE NOTE:
 THIS DRAWING WAS DEVELOPED USING INFORMATION TAKEN FROM A SURVEY TITLED "PROPERTY & TOPOGRAPHY PORTION OF LAND OWNED STATE OF CONNECTICUT NATIONAL GUARD ARMORY" DATED 09/07/10, DONE BY LRC GROUP, CROMWELL, CT



500 ENTERPRISE DRIVE
3RD FLOOR
ROCKY HILL, CT 06067



Dewberry-Goodkind, Inc.
59 ELM STREET
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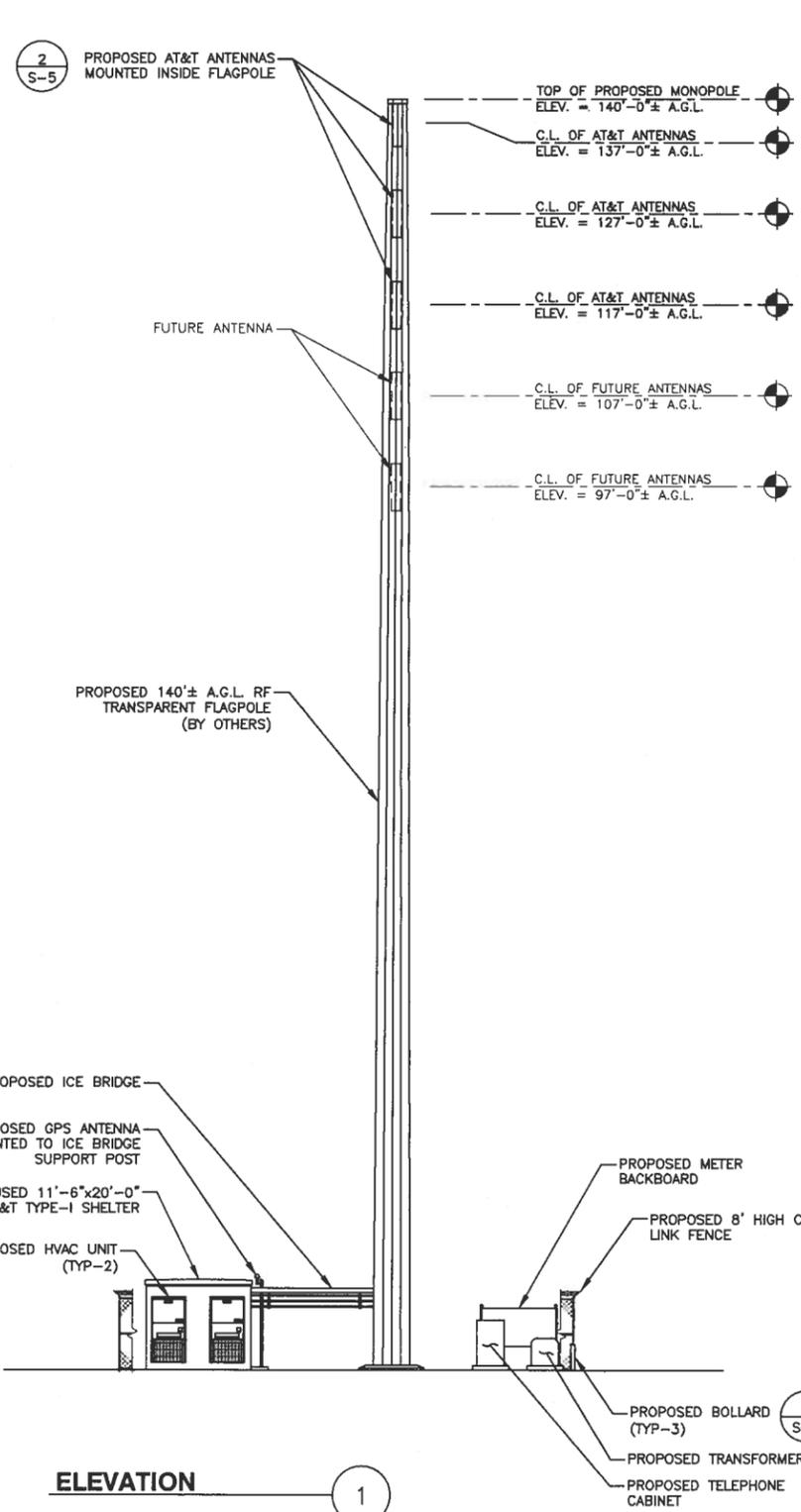
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ELEVATIONS

DEWBERRY P.N. 50013469

S-4a

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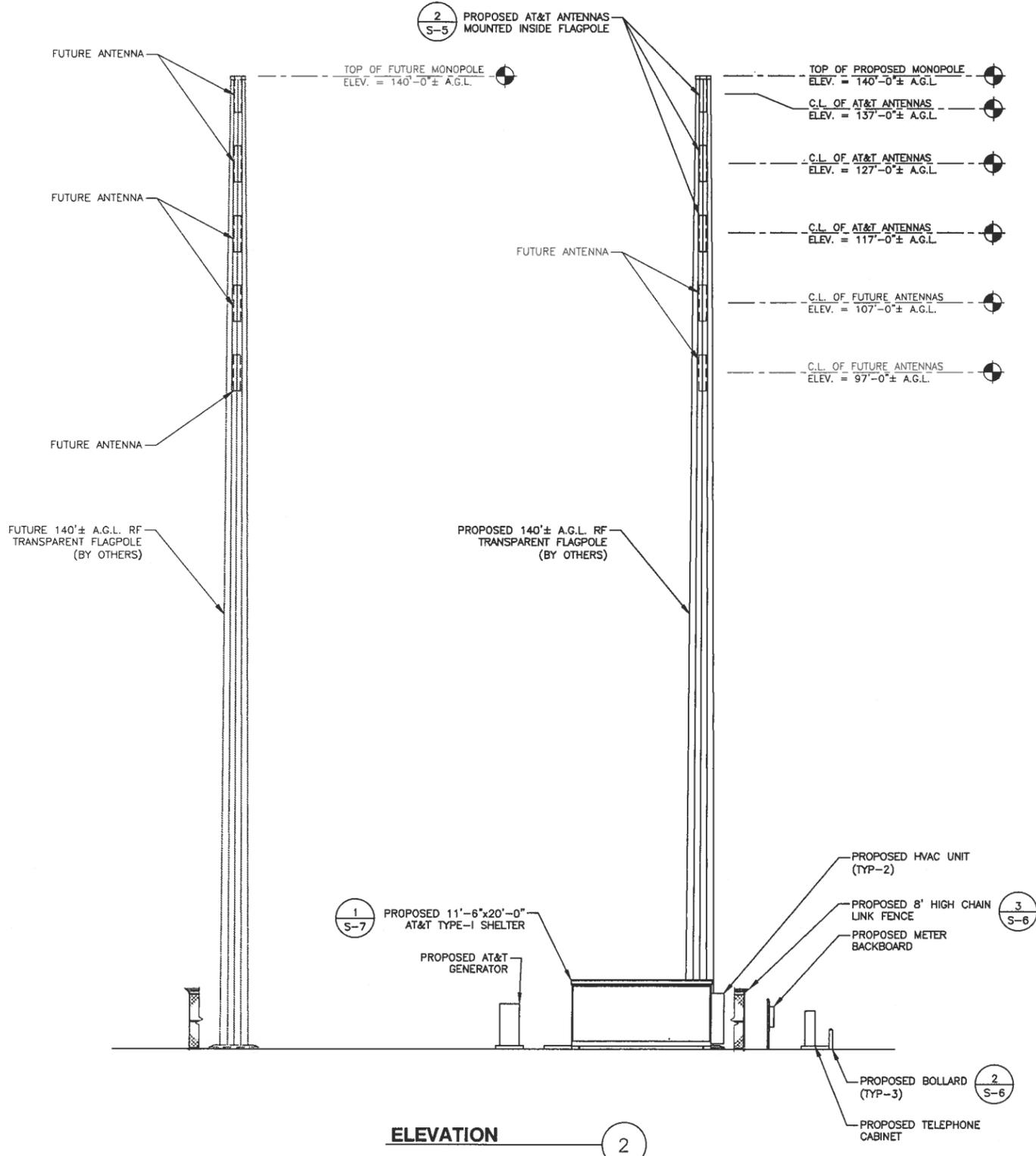


ELEVATION

1



1" = 20' (FOR 11" x 17" PLOT)
1" = 10' (FOR 22" x 34" PLOT)



ELEVATION

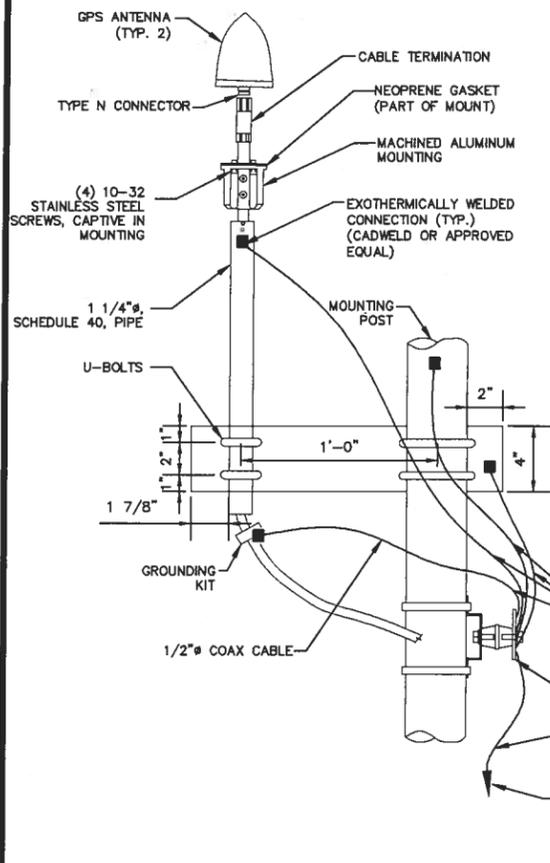
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1" = 20' (FOR 11" x 17" PLOT)
1" = 10' (FOR 22" x 34" PLOT)

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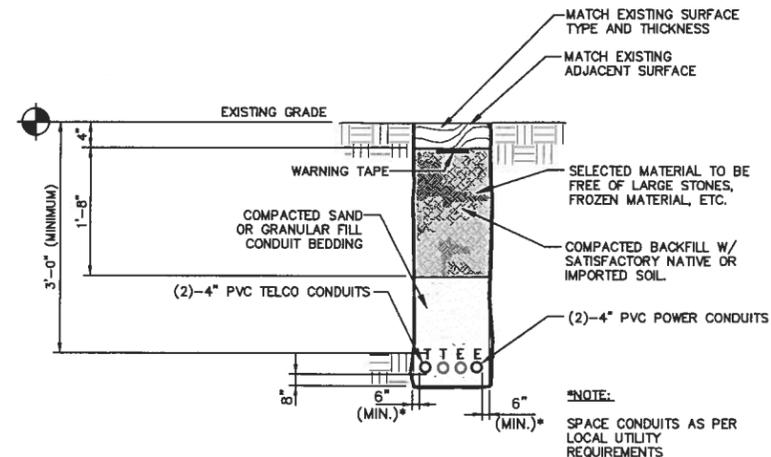


GPS ANTENNA DETAIL 1
SCALE: N.T.S.

NOTES:

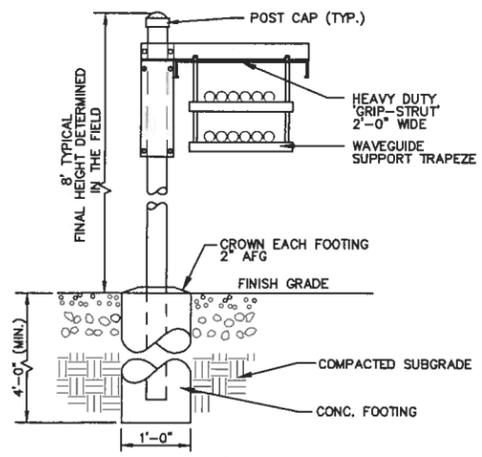
1. THE ELEVATION AND LOCATION OF THE GPS ANTENNA SHALL BE IN ACCORDANCE WITH THE FINAL RF REPORT.
2. THE GPS ANTENNA MOUNT IS DESIGNED TO FASTEN TO A STANDARD 1-1/4" DIAMETER, SCHEDULE 40 GALVANIZED STEEL OR STAINLESS STEEL PIPE. THE PIPE MUST NOT BE THREADED AT THE ANTENNA MOUNT END. THE PIPE SHALL BE CUT TO THE REQUIRED LENGTH (MINIMUM OF 18") USING HAND OR ROTARY PIPE CUTTER TO ASSURE A SMOOTH AND PERPENDICULAR CUT. A HACK SAW SHALL NOT BE USED. THE CUT PIPE END SHALL BE DEBURRED AND SMOOTH IN ORDER TO SEAL AGAINST THE NEOPRENE GASKET ATTACHED TO THE ANTENNA MOUNT.
3. THE MOUNTING PLATE SHALL BE FABRICATED AS SHOWN USING 3/8" THICK GALVANIZED STEEL, AND ATTACHED TO THE APPROPRIATE SUPPORT STRUCTURE USING U-BOLTS. THE SUPPORT PIPE SHALL THEN BE ATTACHED TO THE MOUNTING PLATE USING THE OVERSIZED U-BOLTS PROVIDED TO ALLOW FOR ADJUSTMENT. IT IS CRITICAL THAT THE BASE OF THE GPS IS MOUNTED SUCH THAT IT IS WITHIN 2 DEGREES OF THE VERTICAL AND THE BASE OF THE GPS IS WITHIN 2 DEGREES OF THE LEVEL.
4. MOUNTING PLATE MAY BE SUBSTITUTED WITH VALMONT UNIVERSAL MOUNTING KIT (P/N B1841) OR APPROVED EQUAL. GPS BASE MUST BE MOUNTED AS DESCRIBED IN NOTE 3.

TO GROUND BAR AT CABLE PORT WHEN GPS IS MOUNTED TO ICE BRIDGE -OR- TO GROUND BAR AT TOWER BASE WHEN GPS IS MOUNTED ON TOWER.



UNDERGROUND UTILITY DETAIL 4
SCALE: N.T.S.

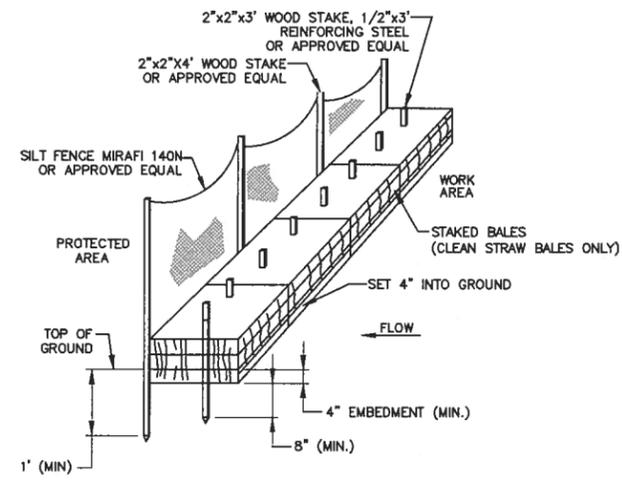
NOTE: SPACE CONDUITS AS PER LOCAL UTILITY REQUIREMENTS



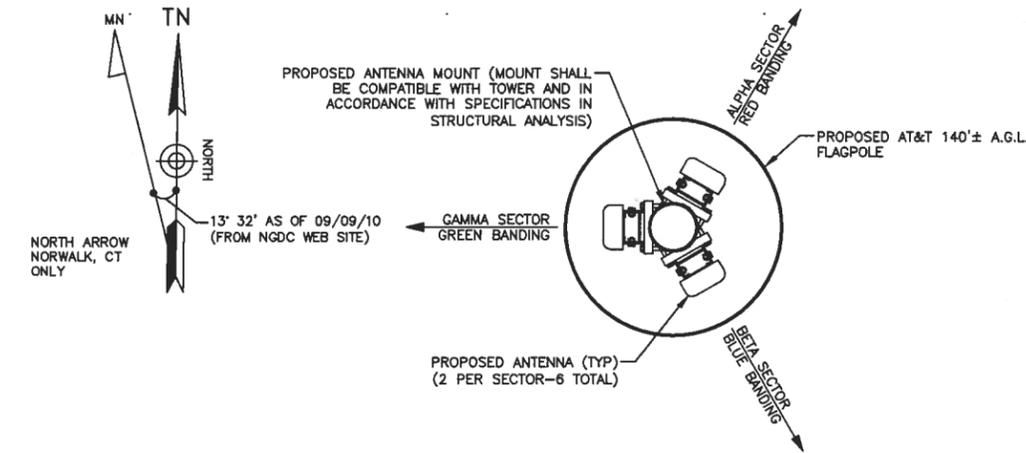
ICE BRIDGE DETAIL 3
SCALE: N.T.S.

NOTES:

1. ICE BRIDGE SHALL BE VALMONT GRIP STRUT TRANSMISSION LINE BRIDGE KIT (P/N: B2959) OR APPROVED EQUAL.
2. CABLE SUPPORT SHALL BE VALMONT DOUBLE LEVEL CHANNEL (P/N: 802264) OR APPROVED EQUAL.
3. ALL COMPONENTS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
4. CONTRACTOR SHALL DETERMINE REQUIRED QUANTITY OF ALL ICE BRIDGE COMPONENTS.
5. SNAP-IN HANGERS, SPLICE KITS, HINGE KITS, EXTENSION KITS, STIFFENERS, AND OTHER MISCELLANEOUS HARDWARE SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED.
6. ICE BRIDGE SHALL BE ROUTED TO ACCOMMODATE THE MINIMUM BENDING RADIUS OF THE COAXIAL CABLE.
7. ICE BRIDGE COMPONENTS SHOWN ARE SCHEMATIC, CONSULT MANUFACTURER FOR EXACT AND CURRENT SPECIFICATIONS.



SILT FENCE/CLEAN STRAW BALE DETAIL 5
SCALE: N.T.S.



NOTE:

1. ANTENNA TYPES AND AZIMUTHS SHOWN REPRESENT A TYPICAL SITE CONFIGURATION. GC SHALL COORDINATE WITH RF ENGINEER FOR SITE SPECIFIC ANTENNA TYPE AND AZIMUTH REQUIREMENTS.
2. ANTENNA MOUNTING SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.

ANTENNA AZIMUTH DETAIL 2
SCALE: N.T.S.

SEDIMENTATION AND EROSION CONTROL NOTES

1. CONTRACTOR SHALL MAINTAIN SEDIMENTATION CONTROLS. ALL CONTROLS SHOWN SHALL BE CONSIDERED TYPICAL. CONTRACTOR SHALL EMPLOY ALL STANDARDS OF SOIL EROSION AND SEDIMENTATION CONTROL, AS PRESCRIBED IN THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL PUBLISHED BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION," AND AS AMENDED, AS WELL AS ANY LOCAL REGULATIONS AND/OR GUIDELINES.
2. INSTALL AND MAINTAIN THE EROSION CONTROL SYSTEM AS SHOWN ON THE PLANS PRIOR TO INITIATING ANY OTHER EARTH DISTURBANCE CONSTRUCTION ACTIVITY.
3. SEDIMENTATION AND EROSION CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIRED. INSTALL AND MAINTAIN ADDITIONAL MEASURES, AS REQUIRED, TO CONTROL EROSION AS THE CONSTRUCTION PROJECT PROGRESSES AND COMPLY WITH THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
4. CONTRACTOR SHALL SEED DISTURBED AREAS, IF THEY ARE LEFT TO BE UNDISTURBED FOR 15 OR MORE DAYS, TO PREVENT ADDITIONAL EROSION.
5. CONDUCT CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF ENVIRONMENTAL PERMITS ISSUED FOR THIS PROJECT.

EROSION CONTROL CONSTRUCTION SPECIFICATIONS

1. STRAWBALES SHALL BE PLACED PRIOR TO CONSTRUCTION ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT STRAWBALES.
2. EACH STRAWBALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4 INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. STRAWBALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR REBARS DRIVEN THROUGH THE STRAWBALE. THE FIRST STAKE IN EACH STRAWBALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID STRAWBALE AT AN ANGLE TO FORCE THE STRAWBALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE STRAWBALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. UPON COMPLETION OF CONSTRUCTION AND STABILIZATION OF ALL DISTURBED AREAS, EROSION CONTROL MEASURES ARE TO BE REMOVED.

No.	DATE	By	Description
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REVISIONS

NATIONAL GUARD ARMORY

284 NEW CANAAN AVENUE
NORWALK, CT 06850
SR1038

SITE NAME / ADDRESS

DRAWN BY: BAD
APPROVED BY: JV
CHECKED BY: BAD
DATE: 09/17/10

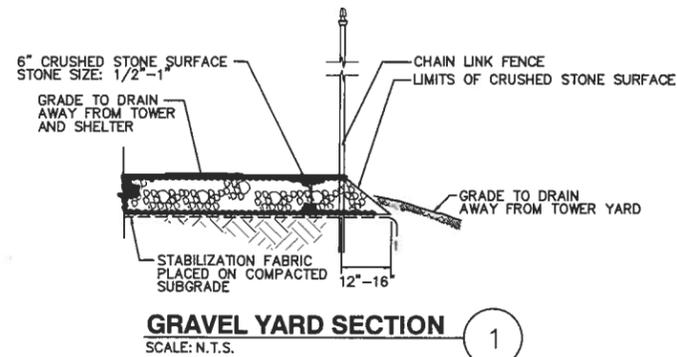
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CONSTRUCTION DETAILS

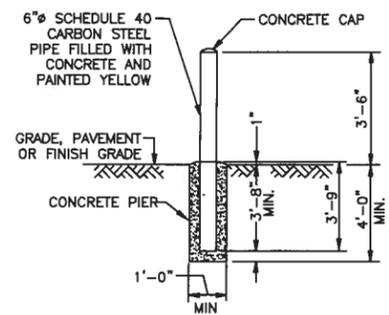
DEWBERRY P.N. 50013469

S-5

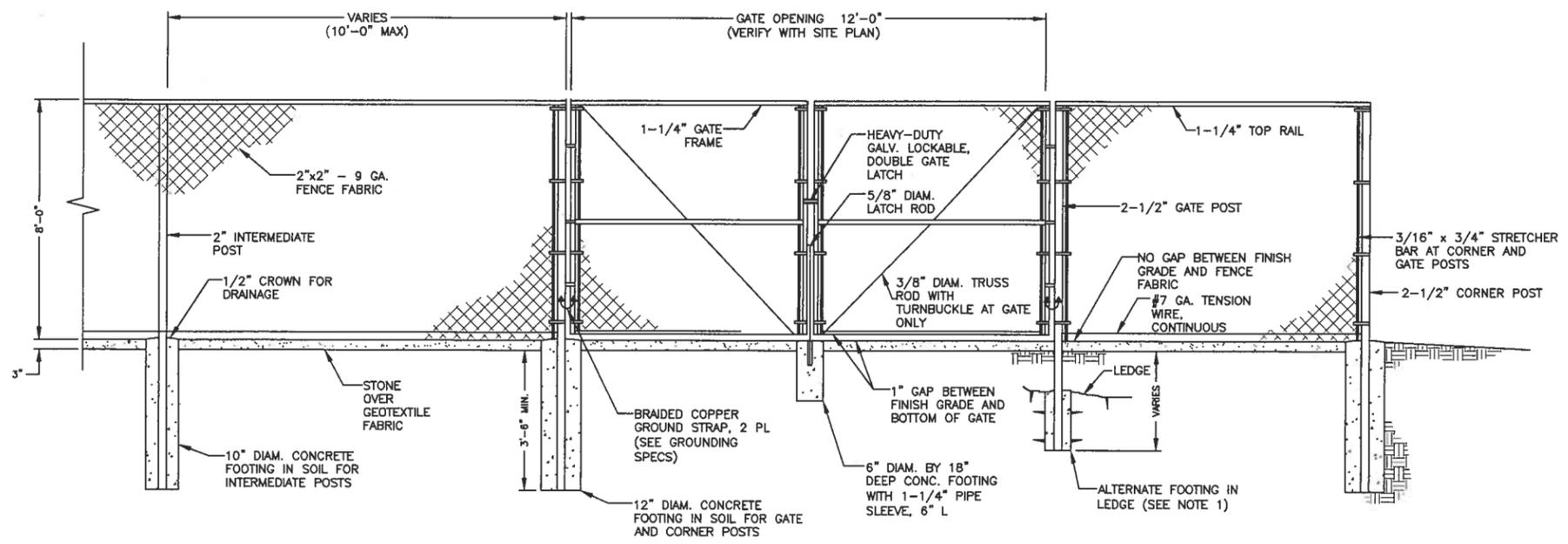
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GRAVEL YARD SECTION
SCALE: N.T.S. ①



BOLLARD DETAIL
SCALE: N.T.S. ②



TYPICAL CHAIN LINK FENCE AND ACCESS GATE
SCALE: N.T.S. ③

CHAIN LINK FENCE NOTES AND SPECIFICATIONS:

NOTES:

- ALTERNATE FOOTINGS FOR ALL FENCE POSTS IN LEDGE: IF LEDGE IS ENCOUNTERED AT GRADE, OR AT A DEPTH SHALLOWER THAN 3'-6", CORE DRILL AN 8" DIA HOLE 18" INTO THE LEDGE. CENTER POST IN THE HOLE AND FILL WITH CONCRETE OR GROUT. IF LEDGE IS BELOW FINISH GRADE, COAT BACKFILLED SECTION OF POST WITH COAL TAR, AND BACKFILL WITH WELL-DRAINING GRAVEL.
- ATTACH GATE WITH 1-1/2 PAIR OF NON-LIFT-OFF TYPE, MALLEABLE IRON OR FORGING, PIN-TYPE HINGES. ASSEMBLIES SHALL ALLOW FOR 180° OF GATE TRAVEL.

QUALITY ASSURANCE:

- INSTALL FENCING PER ASTM F-567, SWING GATES PER ASTM F-900
- COMPLY WITH STANDARDS OF THE CHAIN LINK FENCE MANUFACTURER'S INSTITUTE
- PROVIDE STEEL FENCE AND RELATED GATES AS PRODUCED BY A SINGLE MANUFACTURER, INCLUDING NECESSARY ERECTION ACCESSORIES, FITTINGS, AND FASTENINGS
- COMPLY WITH ASTM A-120 FOR REQUIREMENTS OF SCHEDULE 40 PIPING
- LOCAL ORDINANCE OF BARBED WIRE PERMIT REQUIREMENT SHALL BE COMPLIED IF REQUIRED.
- HEIGHT = 8' VERTICAL + 1' BARBED WIRE VERTICAL DIMENSION.

FINISHES:

- STEEL FRAMEWORK:
PIPE - GALVANIZED IN ACCORDANCE WITH ASTM A-120, 2.0 OZ. ZINC PER SQ. FT. CLASS "B" STEEL TUBING - EXTERIOR: 1.0 OZ ZINC PER SQ. FT PLUS A COATING OF CHROMATE AND POLYURETHANE. INTERIOR: ZINC RICH ORGANIC COATING.
- FABRIC: ALUMINUM FINISH - ASTM A-491 ALUMINUM COATED WITH 0.40 OZ PER SQ. FT.
- FENCE AND GATE HARDWARE, MISCELLANEOUS MATERIALS, ACCESSORIES: WIRE TIES - GALVANIZED FINISH, ASTM A-90 2.0 OZ PER SQ. FT. HARDWARE AND OTHER MISCELLANEOUS ITEMS - GALVANIZED FINISH, ASTM A-153 (TABLE 1) ANGLE BEAMS, I BEAMS, AND STEEL SHAPES - GALVANIZED IN ACCORDANCE WITH ASTM A-123, 2.0 OZ ZINC PER SQ. FT.
- BARBED WIRE: ALUMINUM FINISH - ASTM A-585 CLASS 2, 0.30 OZ PER SQ. FT.

PRODUCTS:

- STEEL FRAME WORK: END POSTS, CORNER POSTS, PULL POSTS AND LINE POSTS - CLASS B STEEL TUBING: 2.875" OD, 4.64 LB PER LINEAR FT; SS-40 FENCE PIPE
- STEEL FABRIC: ONE PIECE WIDTHS FOR FENCE HEIGHTS UP TO 12'-0"; CHAIN LINK NO. 9 GAUGE, 2 INCH MESH; SELVAGES: TOP SIDE TWISTED AND BARBED, BOTTOM SIDE KNUCKLED.
- SWING GATE POSTS: PIPE - 4" OD, 9.11 LB PER LINEAR FT (SCHEDULE 40)
- SWING GATE FRAMES: CLASS B STEEL TUBING - 1.90" OD, 2.28 LB PER LINEAR FT; SS-40 FENCE PIPE
- GATE HARDWARE: HINGES - NON-LIFT-OFF TYPE, OFFSET TO PERMIT 180° DOOR SWING, AND OF SUITABLE SIZE AND WEIGHT TO SUPPORT GATE. PROVIDE 1 1/2 PAIR OF HINGES FOR EACH LEAF OVER 6' HIGH. LATCH - PROVIDE INDUSTRIAL SINGLE LEAF LATCH BY CARGO PROTECTORS, INC. (OR APPROVED EQUAL) AS SUPPLIED BY AFSCO FENCE SUPPLY CO. (OR SIMILAR VENDOR) FOR ALL DOUBLE SWING GATES OVER 10' IN TOTAL WIDTH.
- RAILS AND POST BRACES: CLASS B STEEL TUBING - 1.660 INCHES OD, 1.84 LB PER LINEAR FT; SS-40 FENCE PIPE
- POST TOPS: STEEL, WROUGHT IRON, OR MALLEABLE IRON.
- STRETCHER BARS: ONE PIECE EQUAL TO FULL HEIGHT OF FABRIC, MINIMUM CROSS-SECTION 3/16" x 3/4".
- METAL BANDS (FOR STRETCHER BARS): STEEL, WROUGHT IRON, OR MALLEABLE IRON, TO SECURE STRETCHER BARS TO END, CORNER, PULL GATE POSTS.
- WIRE TIES: FOR TYING FABRIC TO LINE POSTS, RAILS AND BRACES - 9 GAUGE STEEL WIRE
- TRUSS RODS: 3/8" DIA.
- ANGLE BEAMS, I BEAMS AND STEEL SHAPES: ASTM A-36
- BOLTS AND NUTS: ASTM A-307, GRADE A
- CONCRETE: MINIMUM 3000 PSI AT 28 DAYS

INSTALLATION:

- SPACE POSTS EQUIDISTANT IN THE FENCE LINE WITH A MAXIMUM OF 10' ON CENTER
- LOCATE CORNER POSTS AT CORNERS AND AT CHANGES IN DIRECTION.
- INSTALL BRACE AND BOTTOM RAILS IN ONE PIECE BETWEEN POSTS AND FLUSH WITH POST ON FABRIC SIDE USING SPECIAL OFFSET FITTINGS WHERE NECESSARY.
- DIAGONALLY BRACE CORNER POSTS, PULL POSTS, AND TERMINATE POSTS TO ADJACENT LINE POSTS WITH TRUSS RODS AND TURNBUCKLES
- ATTACH FABRIC TO SECURITY SIDE OF FENCE. MAINTAIN A 2" CLEARING ABOVE FINISHED GRADE EXCEPT WHEN INDICATED OTHERWISE. THREAD STRETCHER BARS THROUGH FABRIC USING ONE BAR FOR EACH GATE AND END POST AND TWO FOR EACH CORNER AND PULL POST. PULL FABRIC TIGHT SO THAT THE MAXIMUM DEFLECTION OF FABRIC IS 2" WHEN A PULL IS EXERTED PERPENDICULAR TO THE CENTER OF A PANEL. MAINTAIN TENSION BY SECURING STRETCHER BARS TO POSTS WITH METALS BANDS SPACED 15" O.C. FOR RAILS AND BRACES. BEND BACK WIRE ENDS TO PREVENT INJURY. TIGHTEN STRETCHER BAR BANDS, WIRE TIES, AND OTHER FASTENERS SECURELY.
- POSITION BOLTS FOR SECURING METAL BANDS AND HARDWARE SO NUTS ARE LOCATED OPPOSITE THE FABRIC SIDE OF FENCE. TIGHTEN NUTS AND SCORE EXCESS THREADS. SECURE POST TOPS, EXTENSION ARMS, AND CAPS WITH ONE-WAY CADMIUM PLATED STEEL SCREWS.
- INSTALL GATES PLUMB AND LEVEL AND ADJUST FOR FULL OPENING WITHOUT INTERFERENCE. INSTALL GROUND-SET ITEMS IN CONCRETE FOR ANCHORAGE, AS RECOMMENDED BY A FENCE MANUFACTURER. ADJUST HARDWARE FOR SMOOTH OPERATION AND LUBRICATE WHERE NECESSARY.

at&t
500 ENTERPRISE DRIVE
3RD FLOOR
ROCKY HILL, CT 06067

Dewberry
Dewberry-Goodkind, Inc.
59 ELM STREET
SUITE 101
NEW HAVEN, CT 06510
203.776.2277 PHONE
203.776.2288 FAX



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FENCE NOTES & DETAILS & SITE DETAILS

DEWBERRY P.N. 50013469

S-6

SHEET NO.

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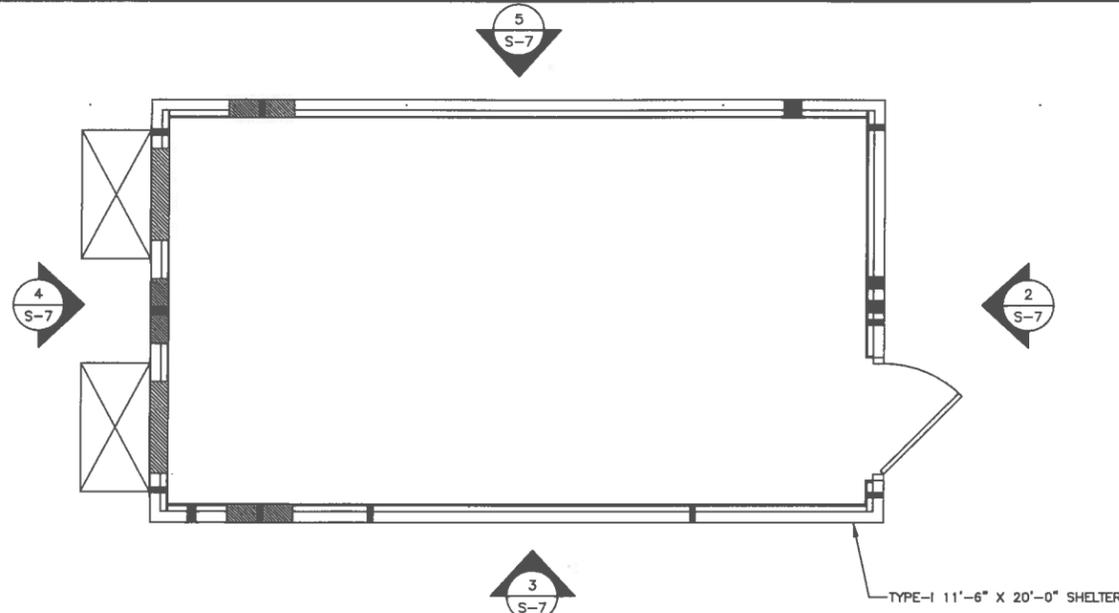


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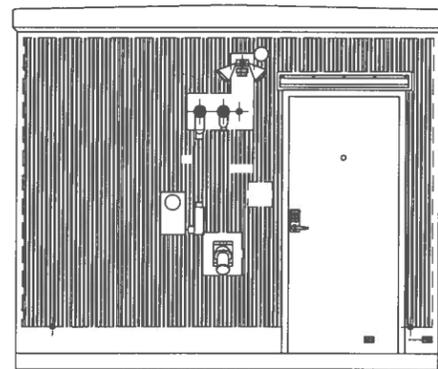
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SHELTER FLOOR PLAN



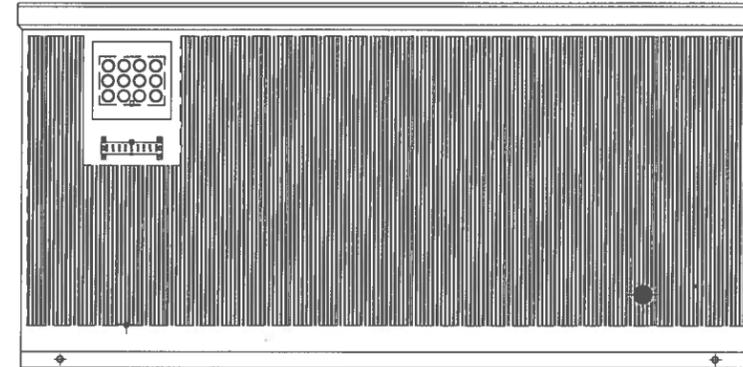
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SCALE: 1" = 2.5' (FOR 22" x 34" PLOT)



SHELTER RIGHT ELEVATION



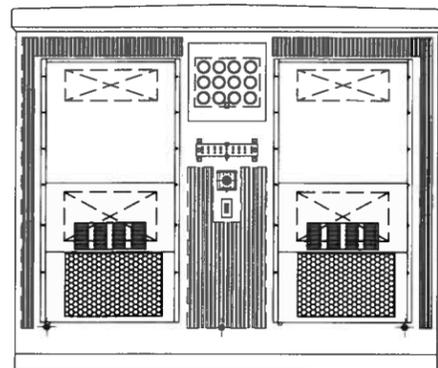
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SHELTER REAR ELEVATION



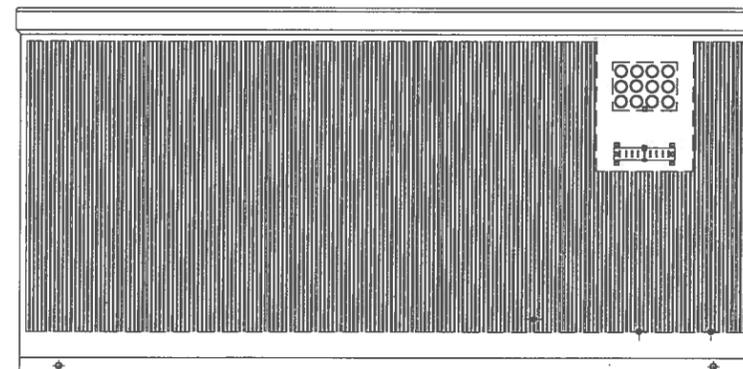
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SCALE: 1" = 2.5' (FOR 22" x 34" PLOT)



SHELTER LEFT ELEVATION



SCALE: 1" = 5' (FOR 11" x 17" PLOT)
SCALE: 1" = 2.5' (FOR 22" x 34" PLOT)



SHELTER FRONT ELEVATION



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SCALE: 1" = 2.5' (FOR 22" x 34" PLOT)

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**NATIONAL GUARD
ARMORY**

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SHEET TITLE:

**EQUIPMENT
SHELTER PLAN
& ELEVATIONS**

DEWBERRY P.N. 50013469

S-7

SHEET NO.

Site Number: SR1038

Site Name: National Guard Armory

Site Address: 284 New Canaan Avenue, Norwalk CT, 06850

Access Distance:

Distance of Access from New Canaan Ave via existing drive: 890' +/-

Distance to Nearest Wetlands:

52' +/- from wetland flag WF1-30 to edge of compound

Distance to Property Lines:

353' +/- to the northern property boundary

756' +/- to the southern property boundary

182' +/- to the western property boundary

138' +/- to the eastern property boundary

Residence Information:

There are 36 residences within 1,000 feet of the tower. The closest residence is 454 +/- feet to the west and is owned by Peter B. Jr. & Karen P. Wilson located at 178 Pocconock Tr. New Canaan, CT, 06840.

Tree Removal Count:

No trees 6" in diameter or greater will be removed from the site.